

ABSTRACT

A composition of an aqueous, an aqueous acid, and an aqueous alkaline foaming additive ("foamer") functions in a wide pH range and under conditions of salt, alcohol, and hydrocarbon contamination. The foaming additive ("foamer") composition includes a mixture of a salt of an alkyl ether sulfate surfactant, a polymer or combination of polymers; and either a water miscible solvent for the liquid foamer additive or a silicon compound for a substantially anhydrous foamer additive.

FOOTNOTES